2H-Pyran, tetrahydro, 3-chloro-2-ethoxy, # 2

Inchi: InChI=1S/C7H13ClO2/c1-2-9-7-6(8)4-3-5-10-7/h6-7H,2-5H2,1H3
InchiKey: OZJLVSAMSVIOFG-UHFFFAOYSA-N
Formula: C7H13ClO2
SMILES: CCOC1OCCCC1Cl
Mol. weight [g/mol]: 164.63

Physical Properties

Property code	Value	Unit	Source
gf	-178.25	kJ/mol	Joback Method
hf	-433.79	kJ/mol	Joback Method
hfus	20.16	kJ/mol	Joback Method
hvap	42.60	kJ/mol	Joback Method
log10ws	-1.69		Crippen Method
logp	1.767		Crippen Method
mcvol	122.610	ml/mol	McGowan Method
pc	3152.62	kPa	Joback Method
rinpol	1105.00		NIST Webbook
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tb	461.24	K	Joback Method
tc	669.78	K	Joback Method
tf	250.51	K	Joback Method
vc	0.448	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	258.49	J/mol×K	461.24	Joback Method
cpg	273.72	J/mol×K	496.00	Joback Method
cpg	288.27	J/mol×K	530.75	Joback Method
cpg	302.15	J/mol×K	565.51	Joback Method
cpg	315.35	J/mol×K	600.27	Joback Method
cpg	327.87	J/mol×K	635.02	Joback Method
cpg	339.72	J/mol×K	669.78	Joback Method
dvisc	0.0036730	Pa×s	250.51	Joback Method

dvisc	0.0018782	Pa×s	285.63	Joback Method
dvisc	0.0011124	Pa×s	320.75	Joback Method
dvisc	0.0007306	Pa×s	355.88	Joback Method
dvisc	0.0005175	Pa×s	391.00	Joback Method
dvisc	0.0003880	Pa×s	426.12	Joback Method
dvisc	0.0003039	Pa×s	461.24	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R90993&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume